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COR-54

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Cameron W. Tanner and Patrick D. Tepesch
Application No.: 09/803,133
Filed : March 9, 2001
For : METHOD APPARATUS FOR IMAGE ANALYSIS
Group Art Unit :
Examiner :

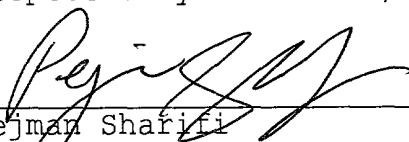
Hon. Commissioner for Patents
Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWING

Sir:

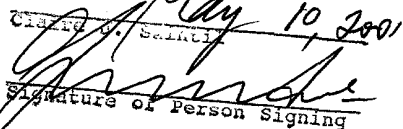
This application was filed with 30 sheets of informal drawings. Formal drawings comprising 30 sheets for FIGS. 1-30 are now submitted herewith.

Respectfully submitted,


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Reg. No. 45,097
Customer No. 1473
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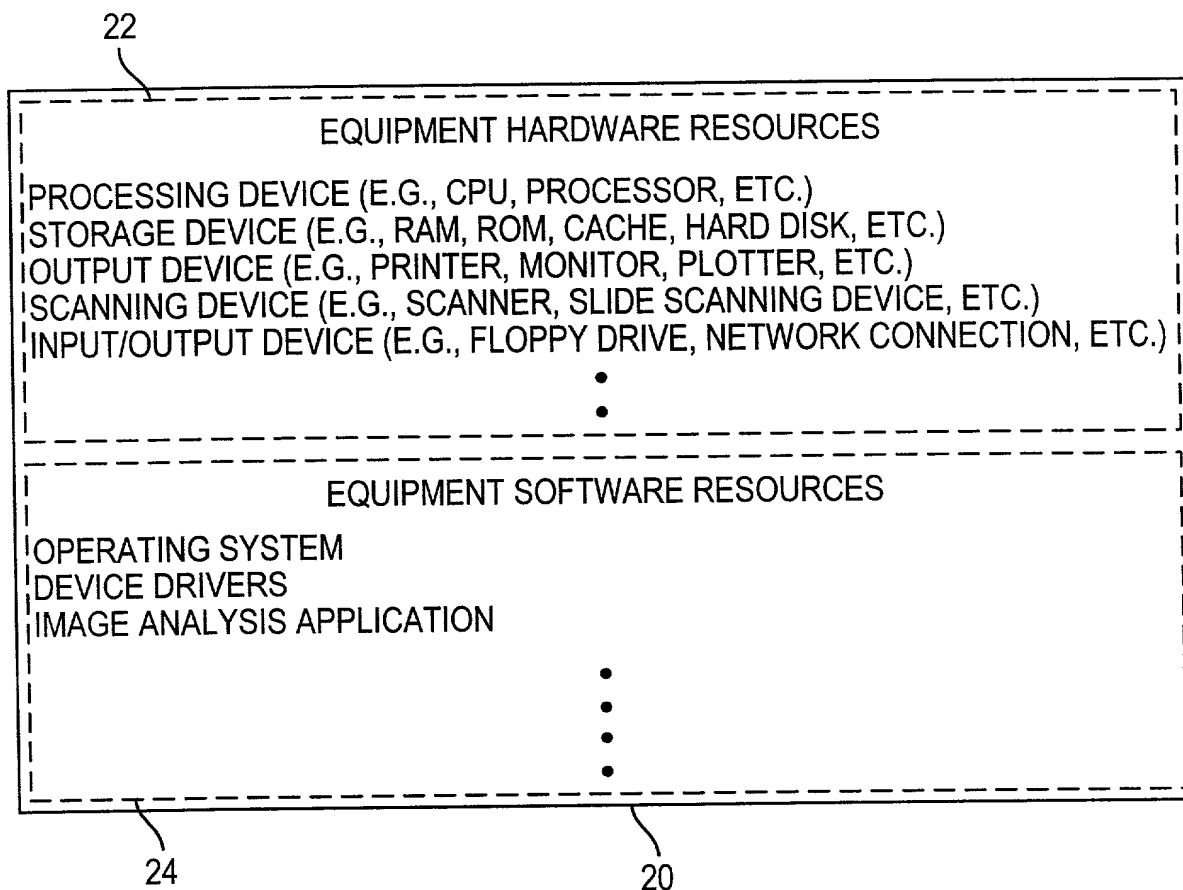


FIG. 1

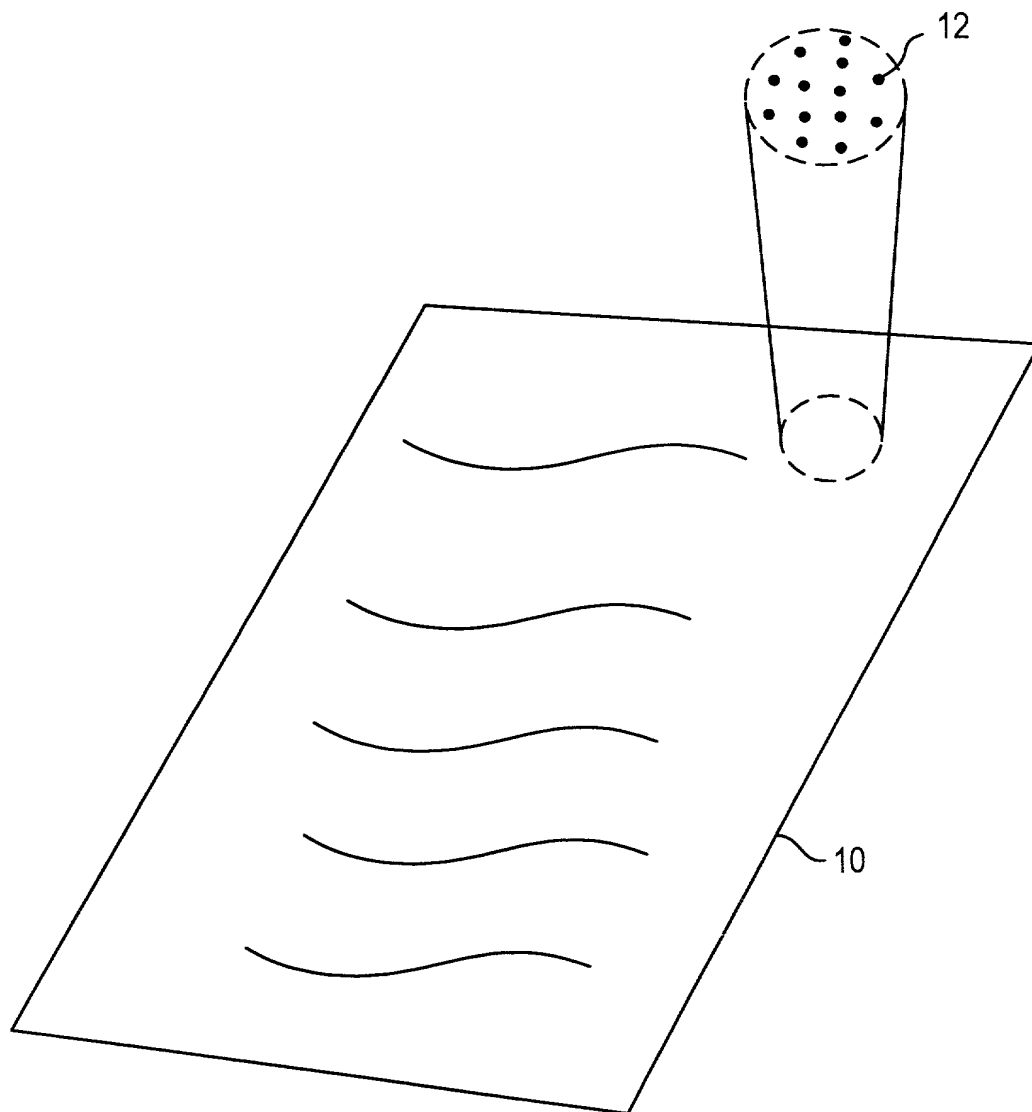


FIG. 2

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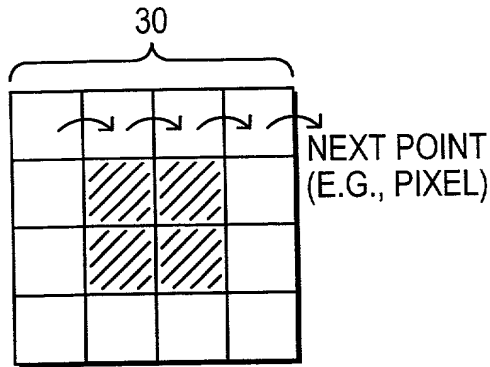


FIG. 3a

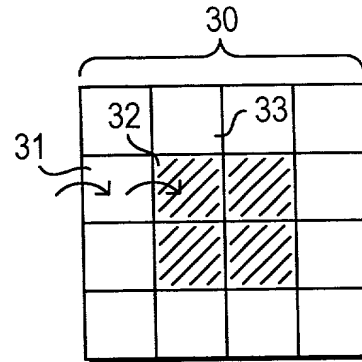


FIG. 3b

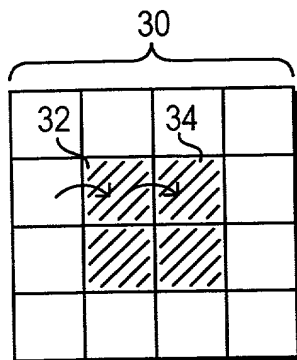


FIG. 3c

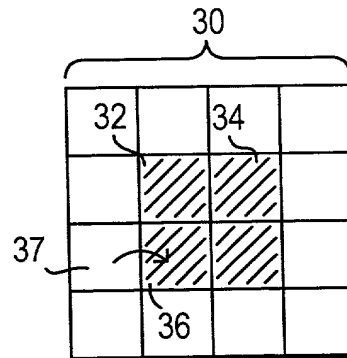


FIG. 3d

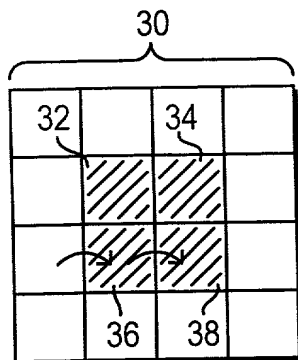


FIG. 3e

FIG. 3a

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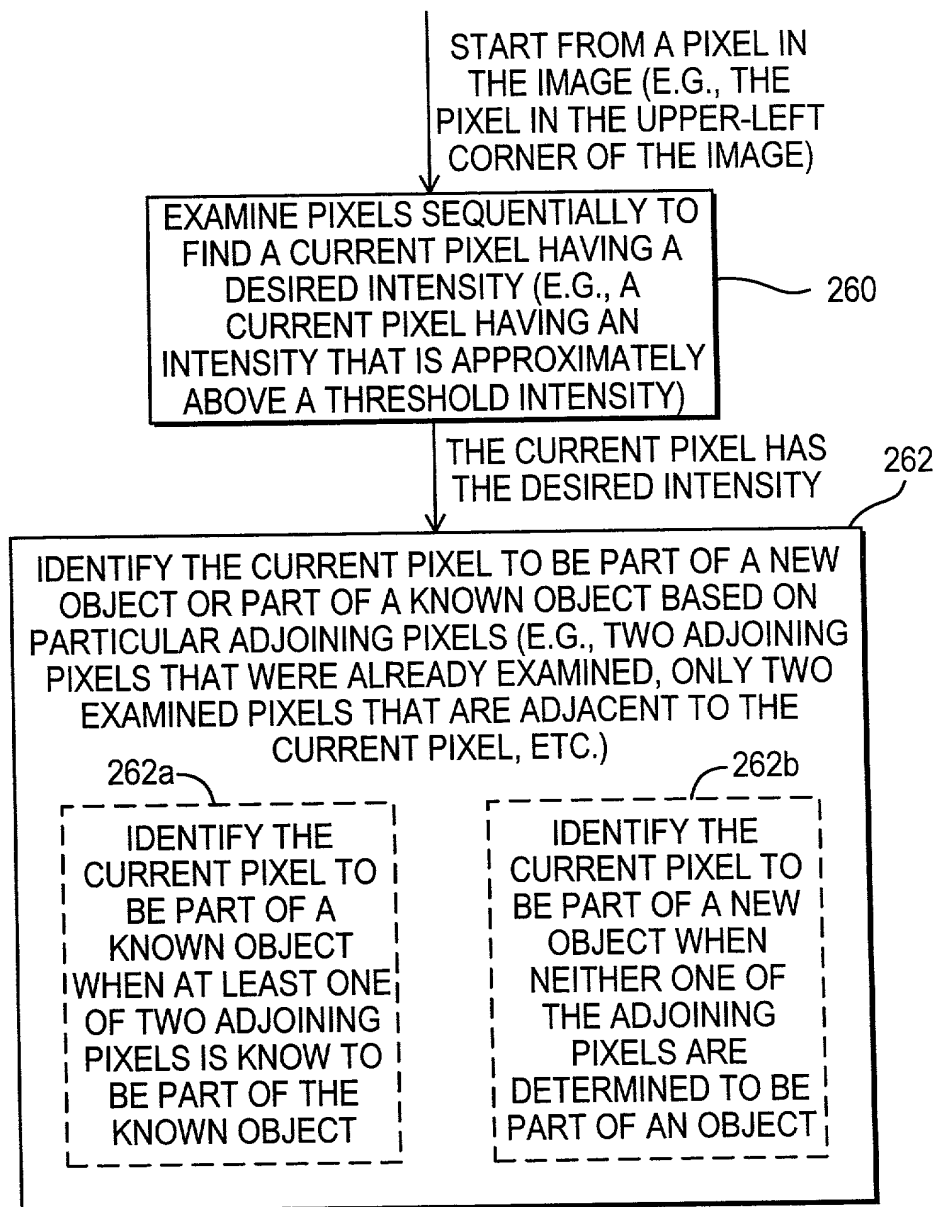
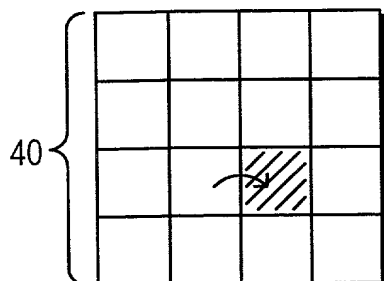


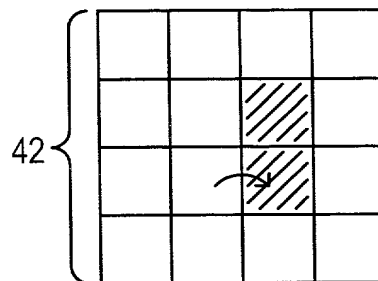
FIG. 3f

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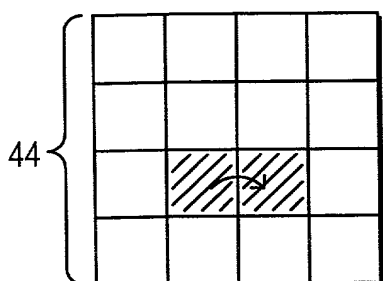
NEW SPOT

FIG. 4a



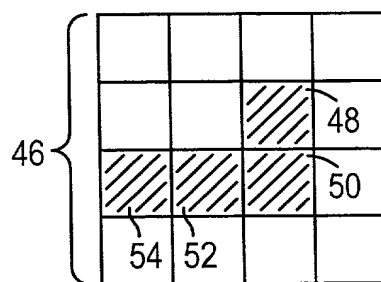
KNOWN SPOT

FIG. 4b



KNOWN SPOT

FIG. 4c



TWO KNOWN SPOTS

FIG. 4d

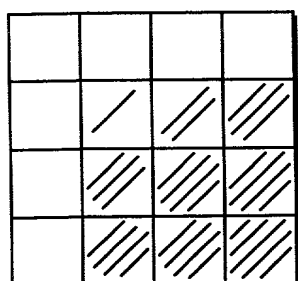


FIG. 4e

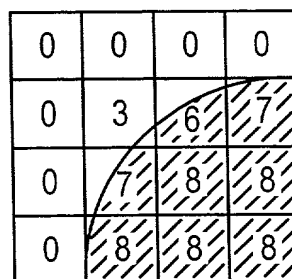


FIG. 4f

LIGHT INTENSITY RANGE

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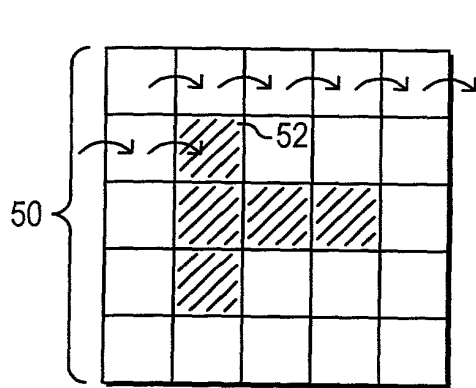


FIG. 5a

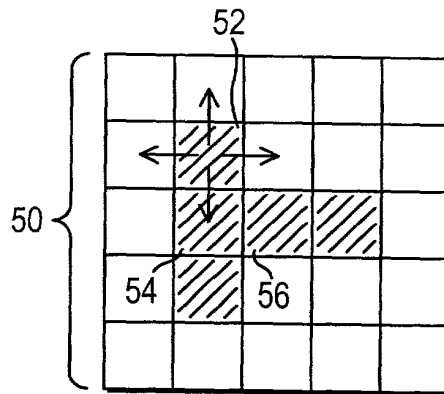


FIG. 5b

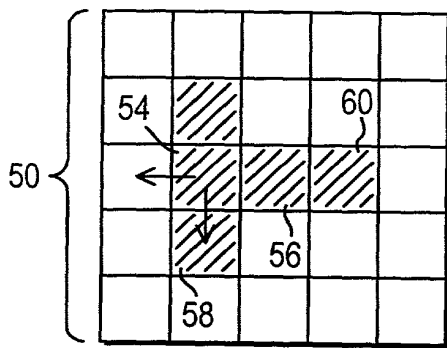


FIG. 5c

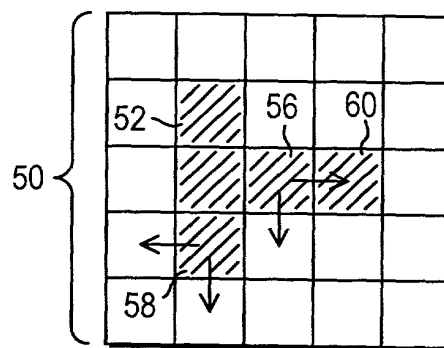


FIG. 5d

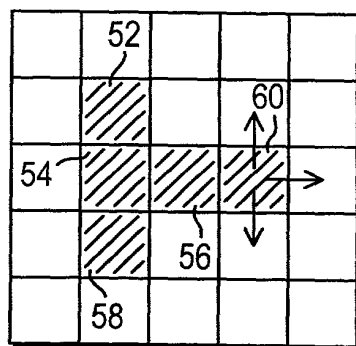


FIG. 5e

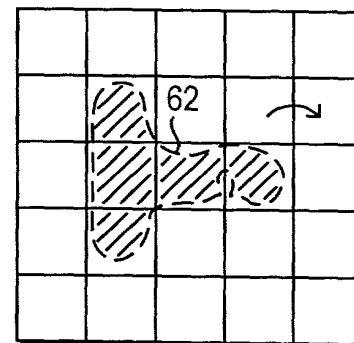


FIG. 5f

FIG. 5a

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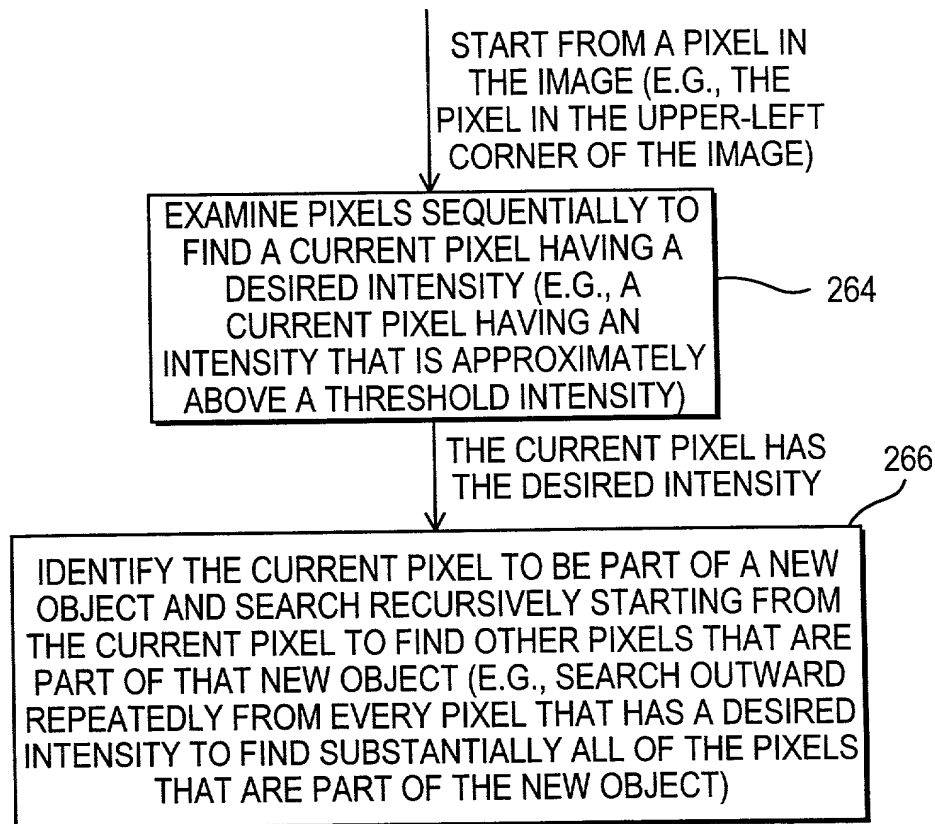
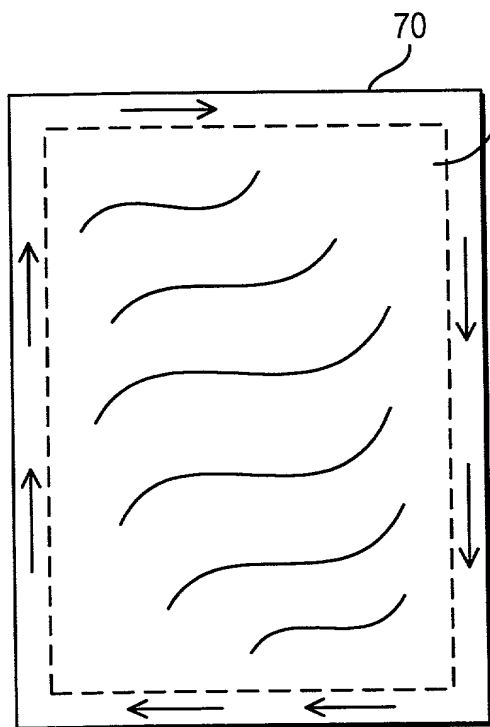


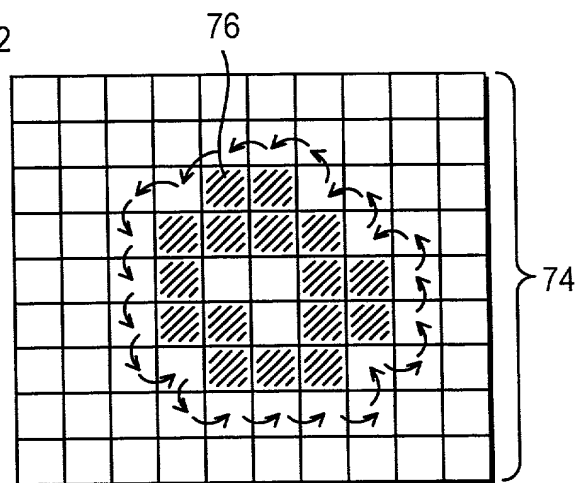
FIG. 5g

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EDGE REJECTION

FIG. 6a



HOLE - FILLING

FIG. 6b

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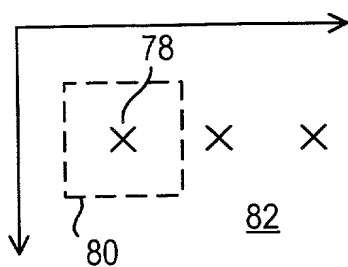


FIG. 7a

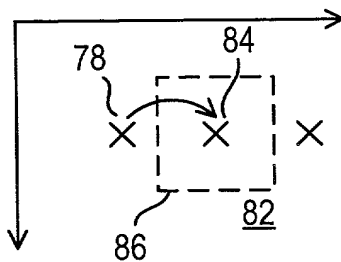


FIG. 7b

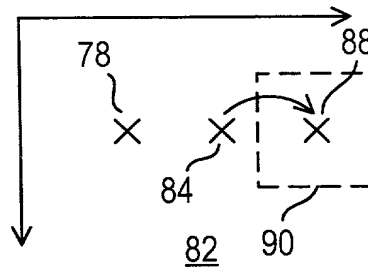


FIG. 7c

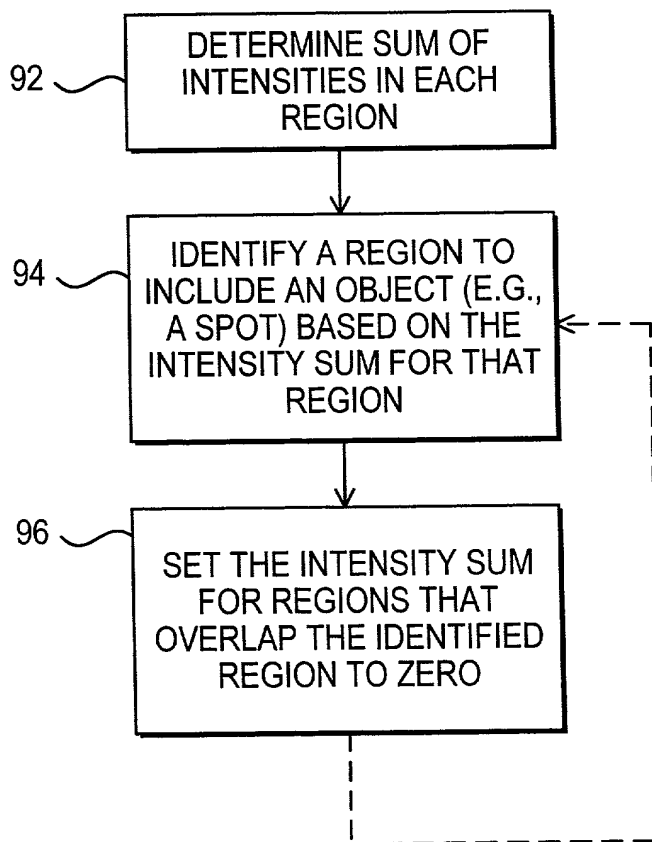


FIG. 8a

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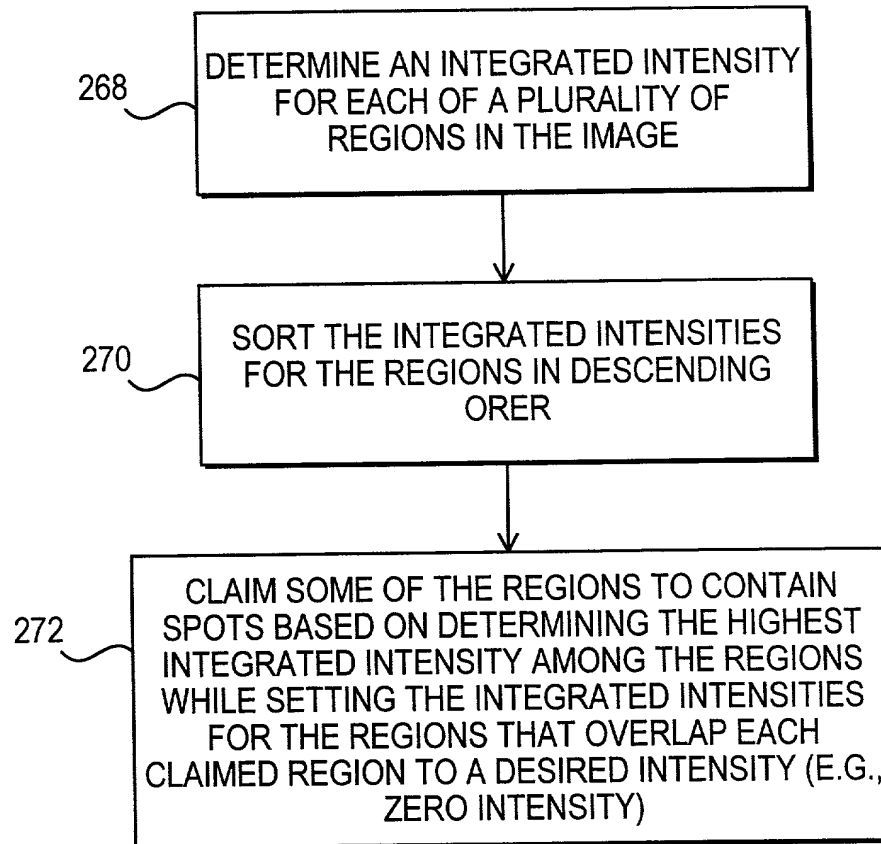


FIG. 8b

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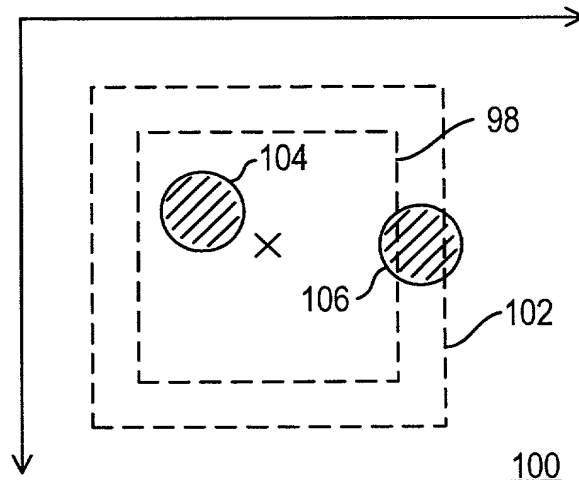


FIG. 9

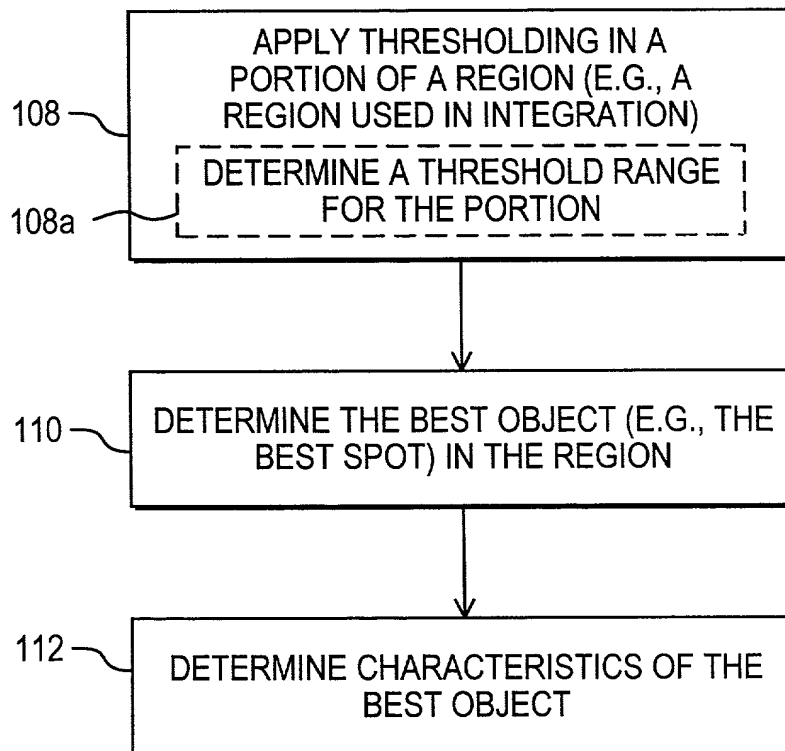


FIG. 10

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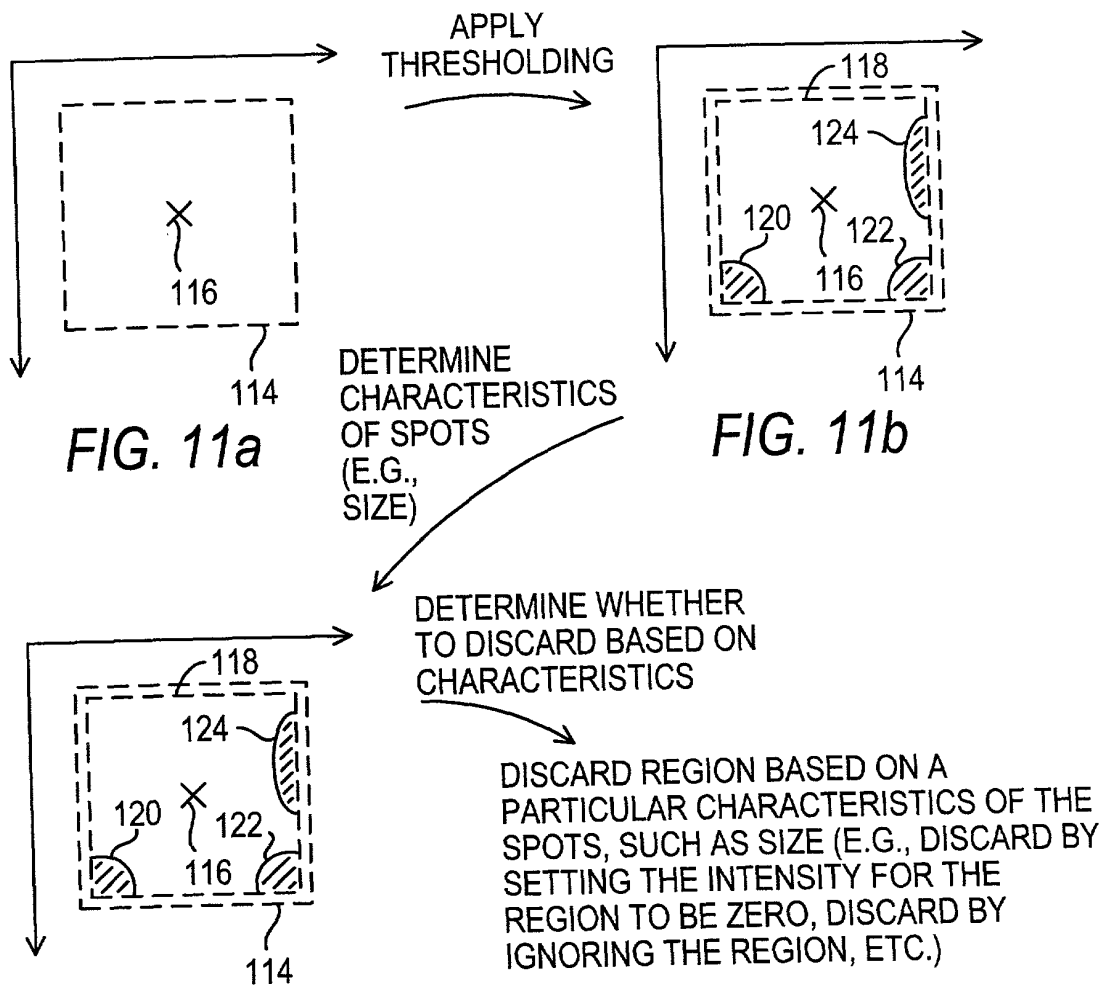


FIG. 11c

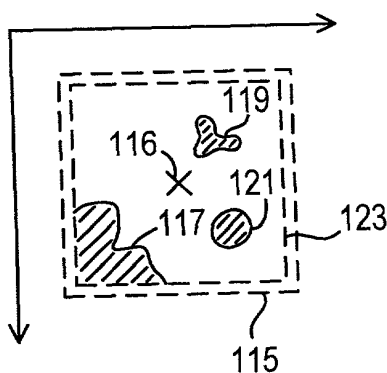
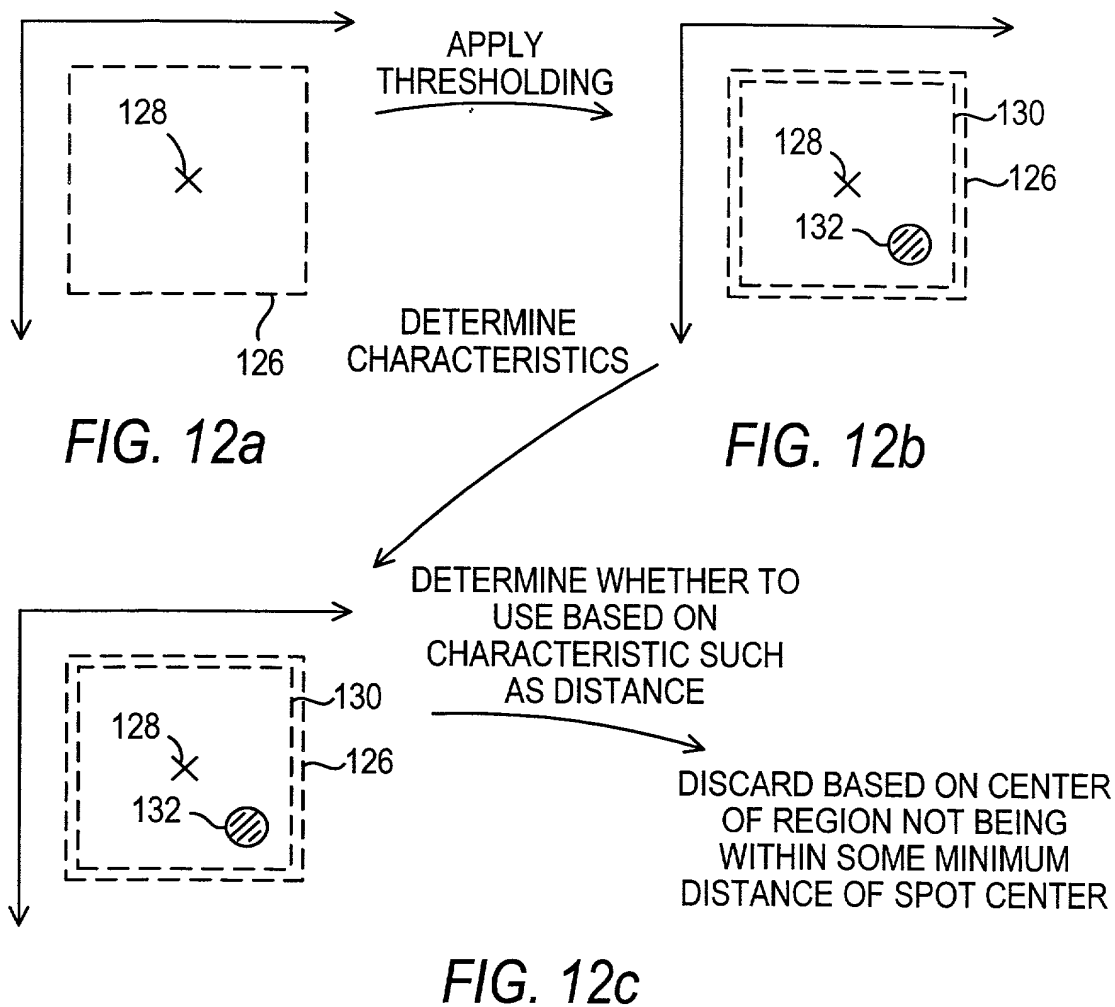


FIG. 11d

1047530" EET E0860

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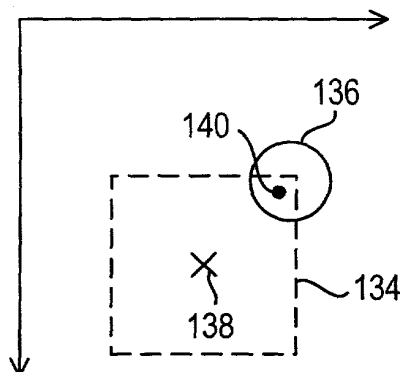


FIG. 13a

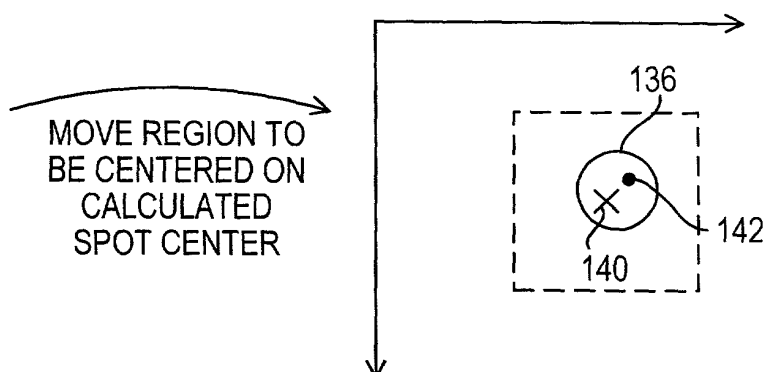


FIG. 13b

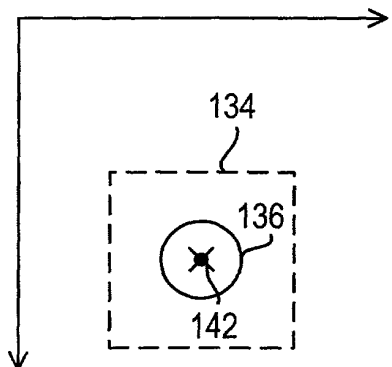


FIG. 13c

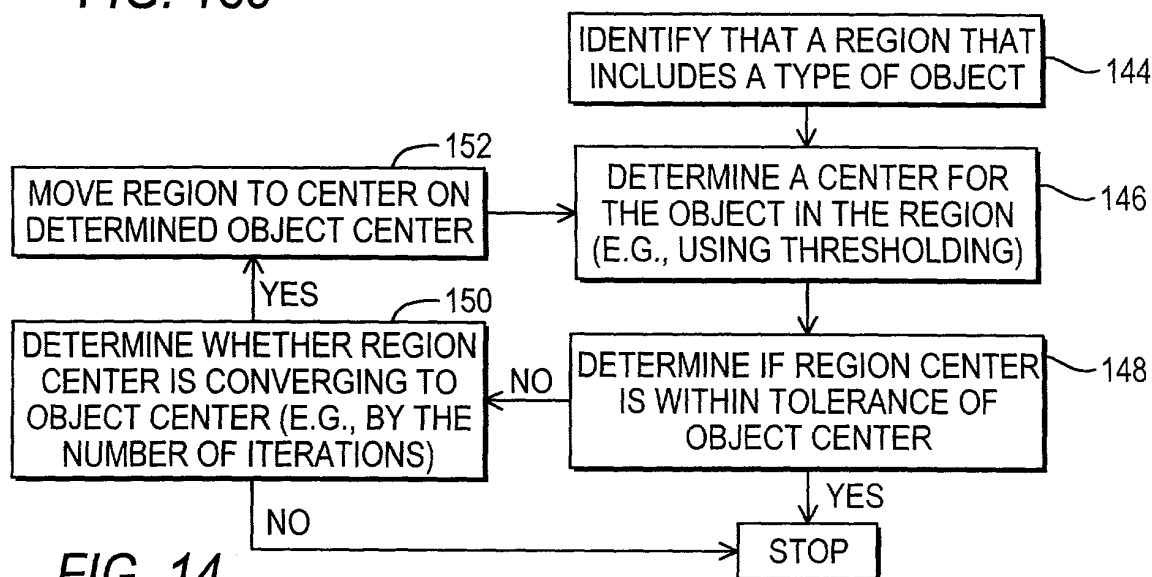


FIG. 14

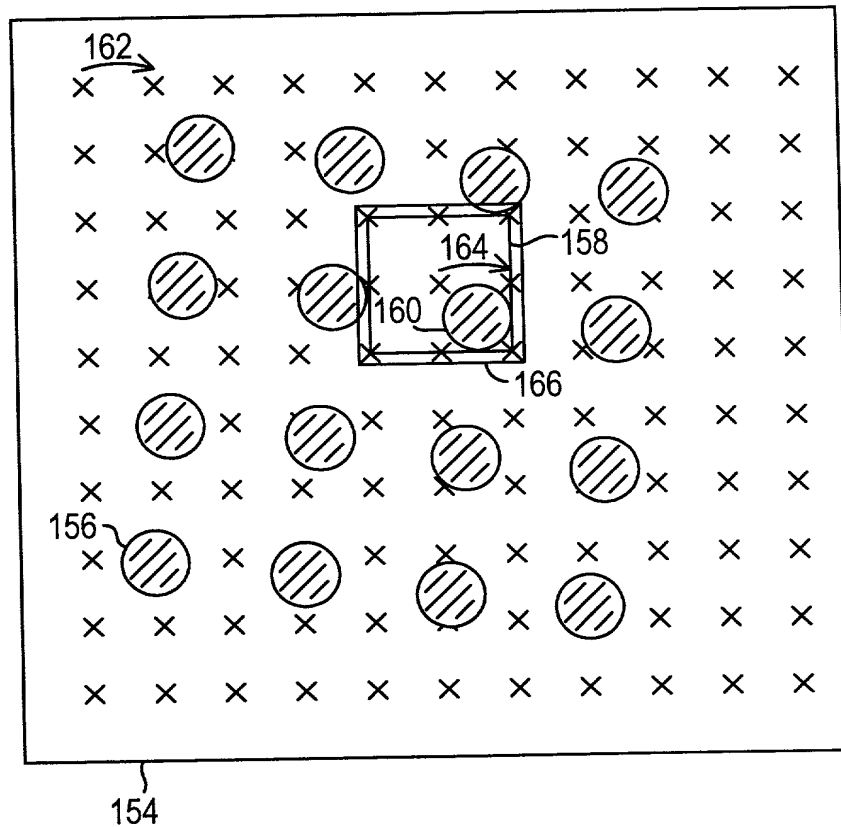


FIG. 15

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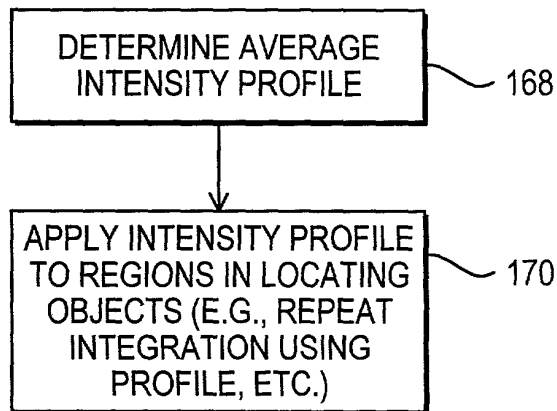


FIG. 16

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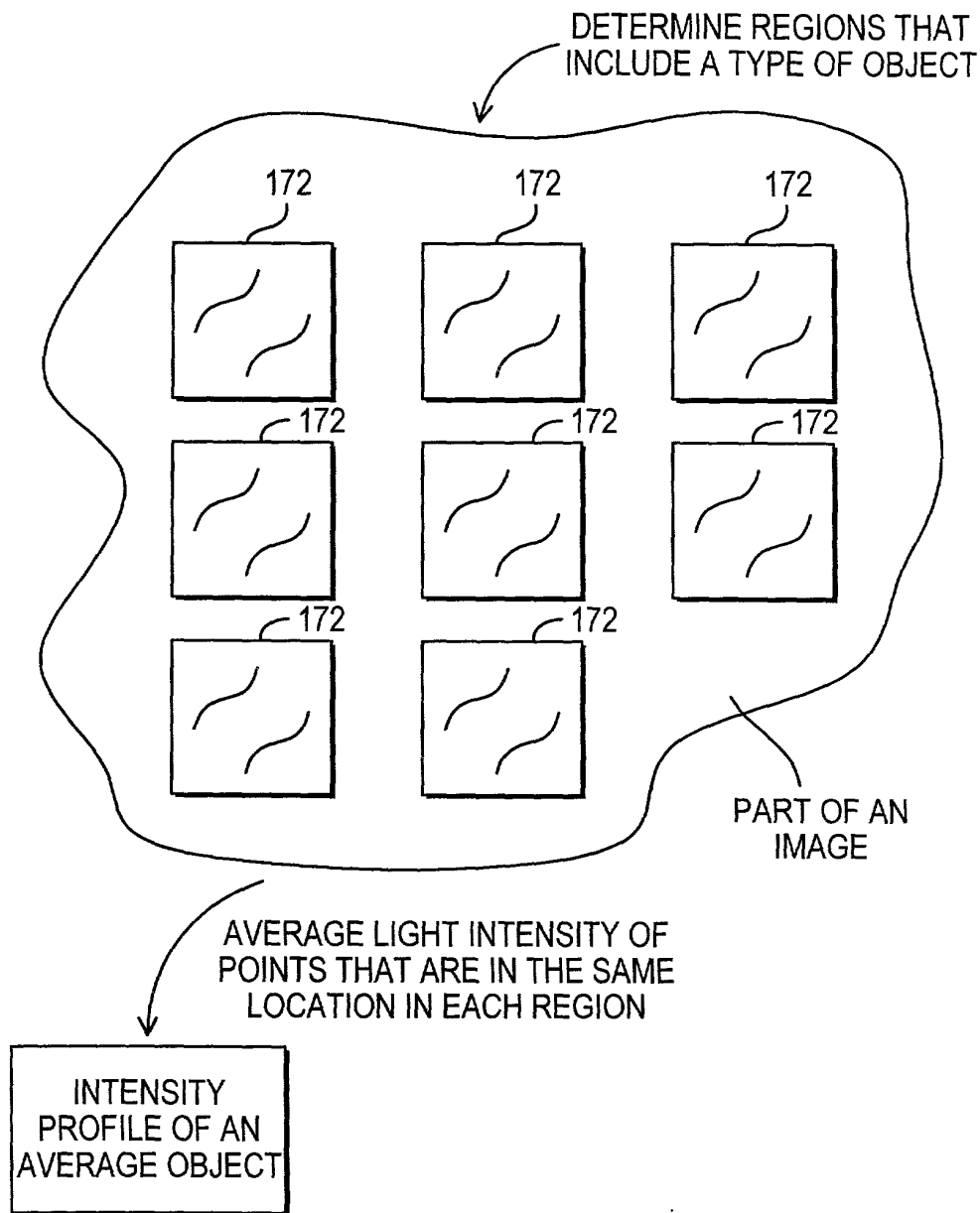


FIG. 17a

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#11111111111111111111111111111111
#11111111111111111111111111111111
#11111111111111111111111111111111
#1111111111223333221111111111
#1111111123445555443211111111
#1111112345667777664322111111
#111112346678877777654221111
#11112346678987777765421111
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FIG. 17b

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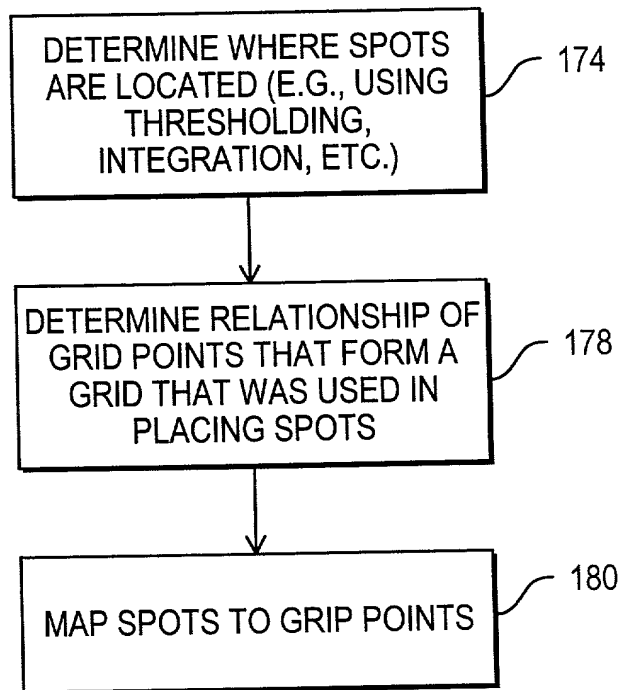
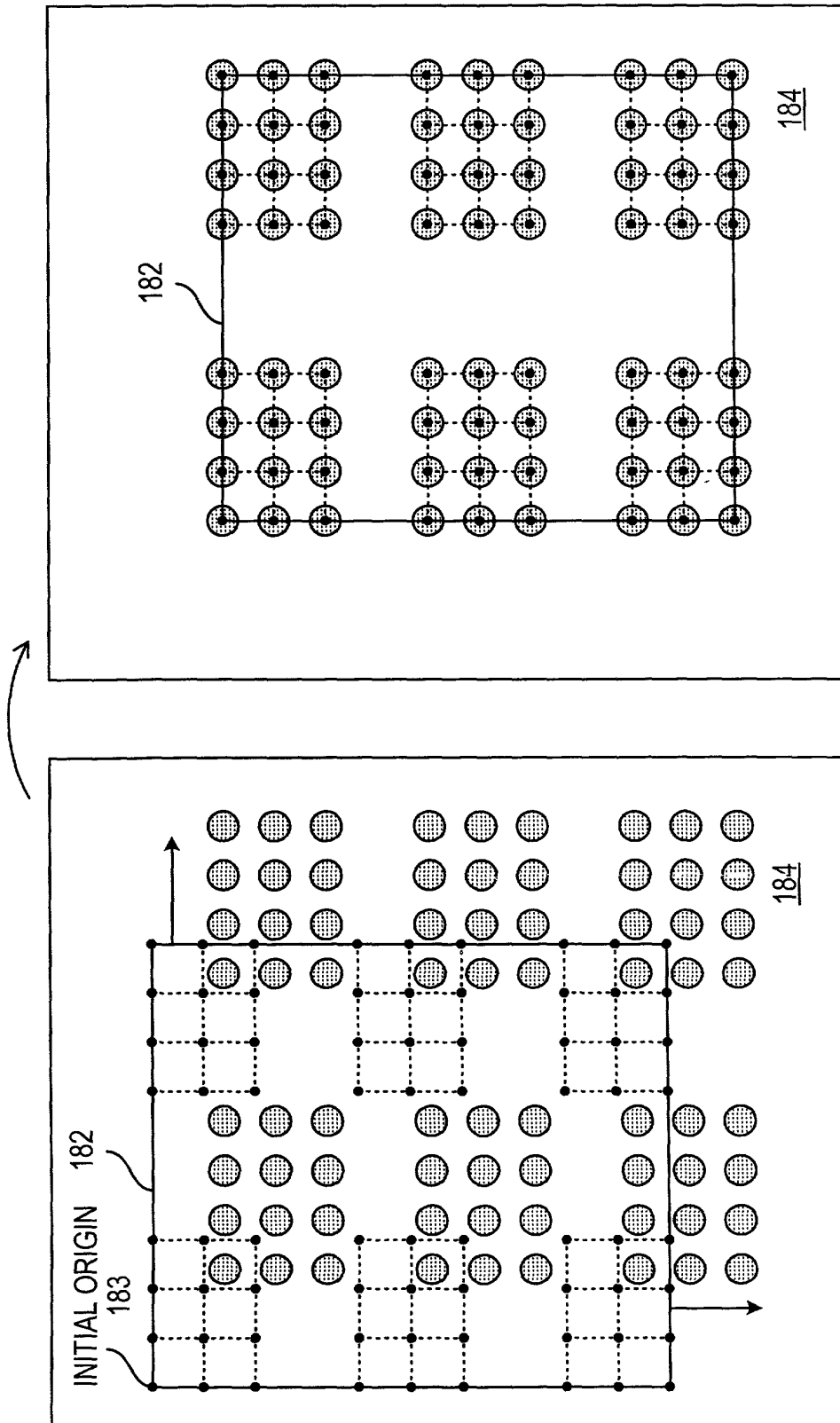


FIG. 18

204750" EETEDB60

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BEST ORIGIN FOR GRID FOUND

MOVING GRID ON IMAGE

FIG. 19

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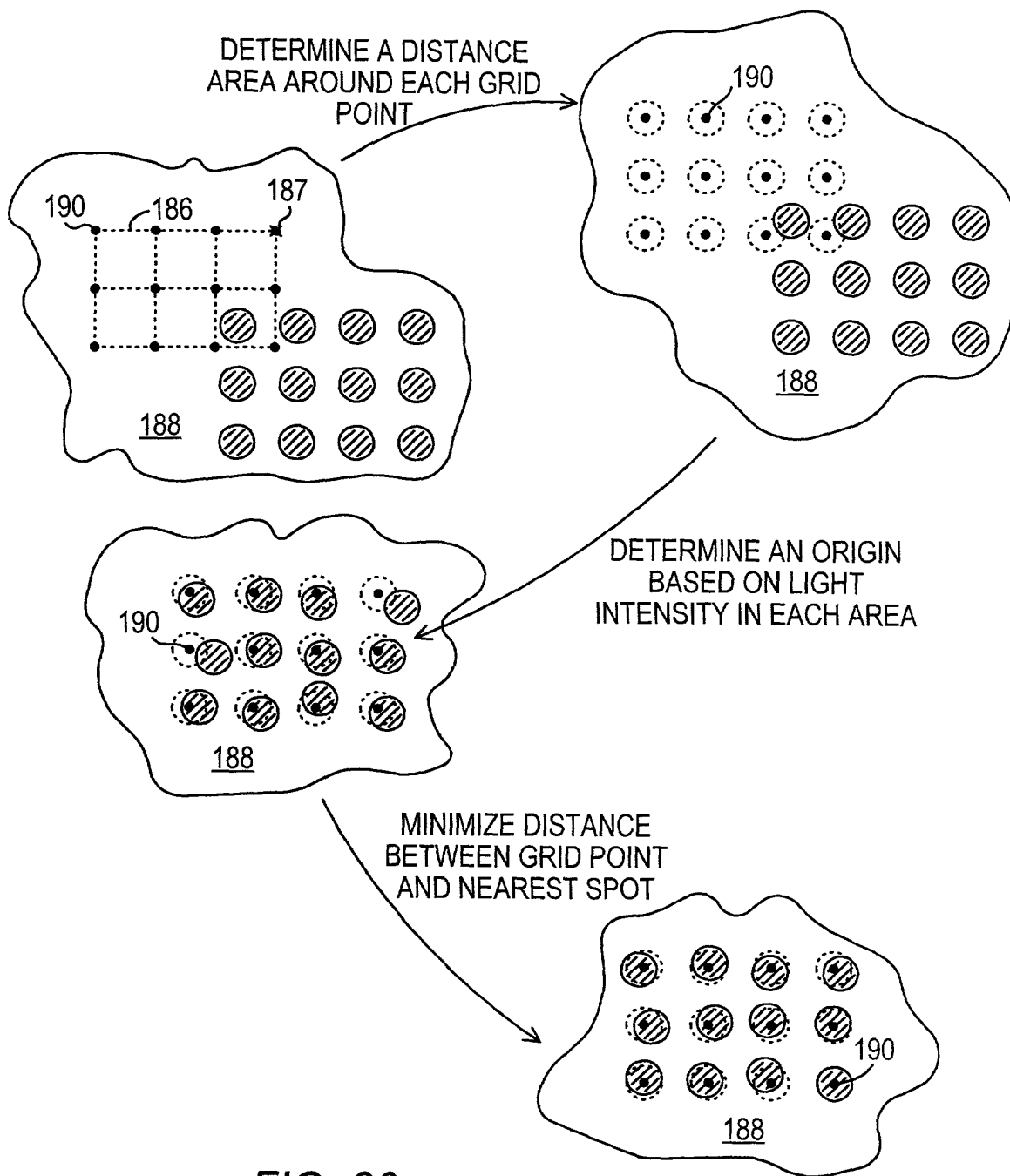
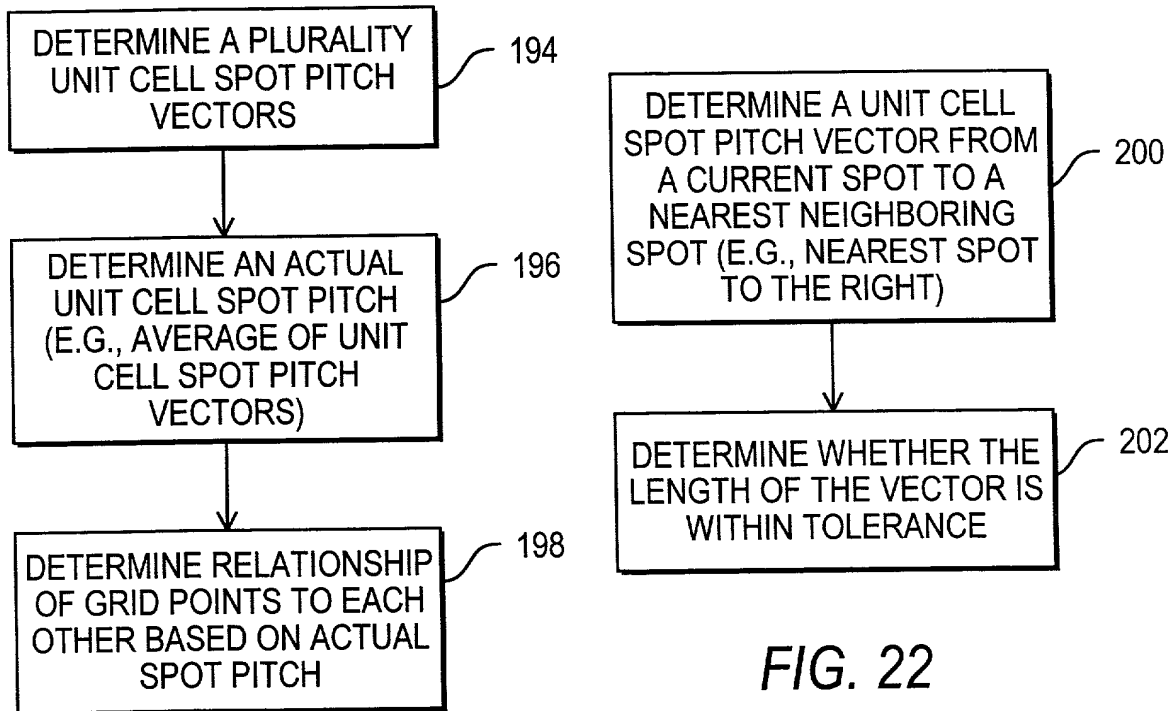


FIG. 20

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NEAREST NEIGHBOR WITHIN
TOLERANCE FOR SPOT PITCH VECTOR

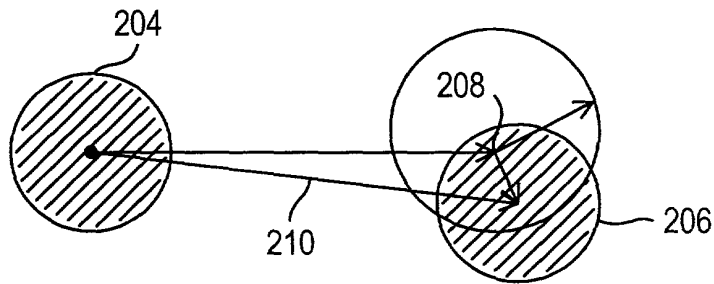


FIG. 23a

NEAREST NEIGHBOR NOT WITHIN
TOLERANCE FOR SPOT PITCH VECTOR

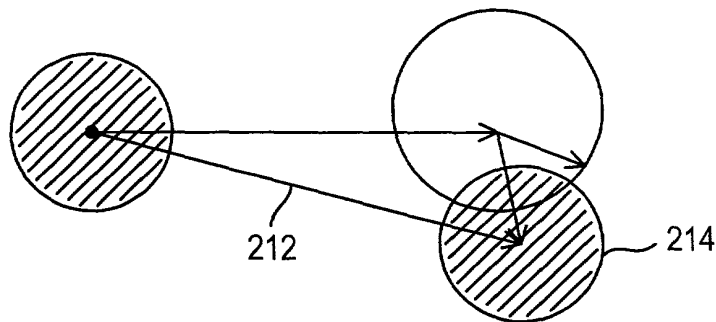


FIG. 23b

FIG. 23a

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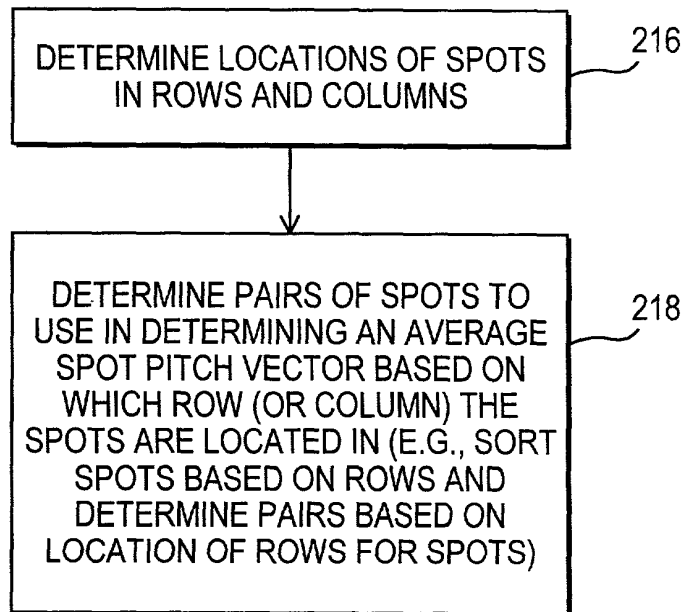


FIG. 24

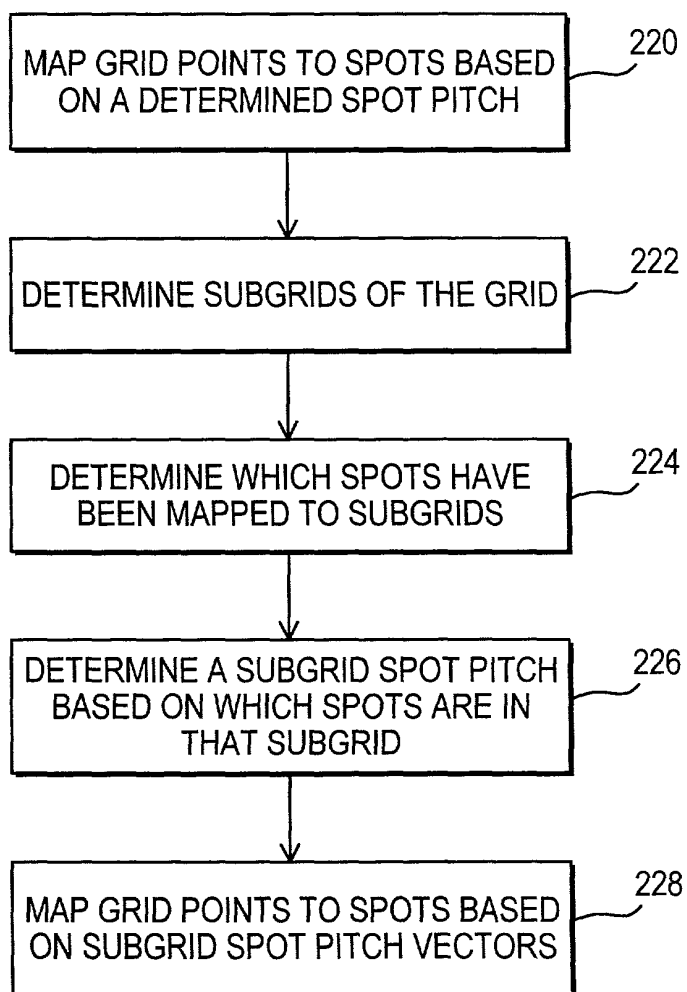


FIG. 25

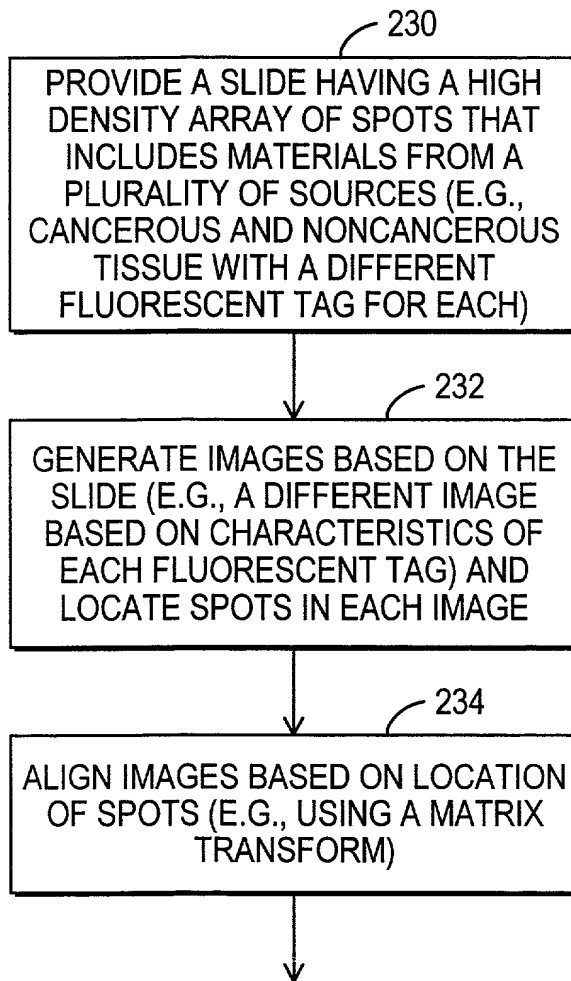


FIG. 26a

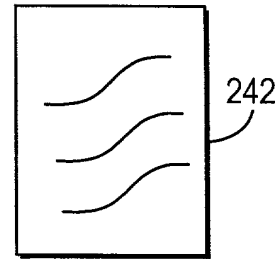


FIG. 27a

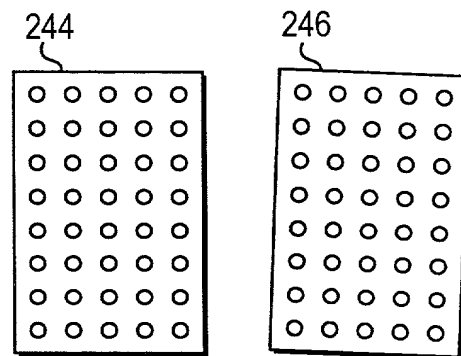


FIG. 27b

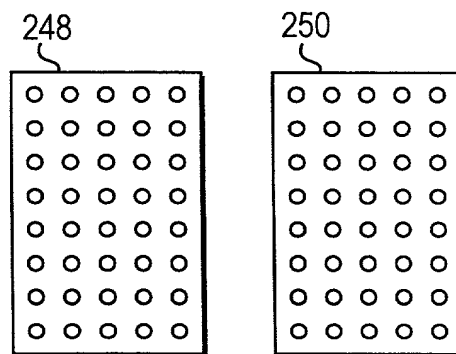


FIG. 27c

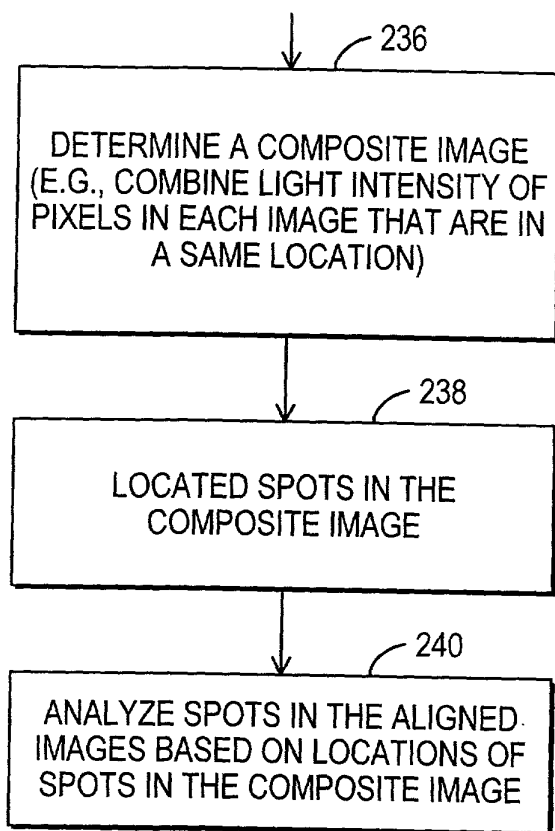


FIG. 26b

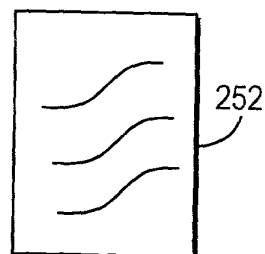


FIG. 27d

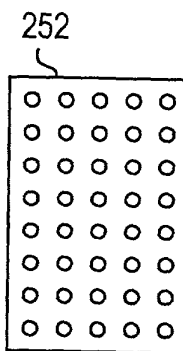


FIG. 27e

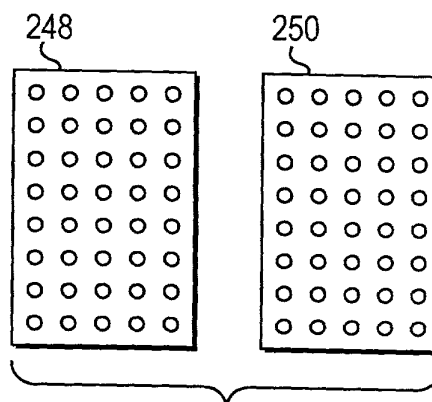


FIG. 27f

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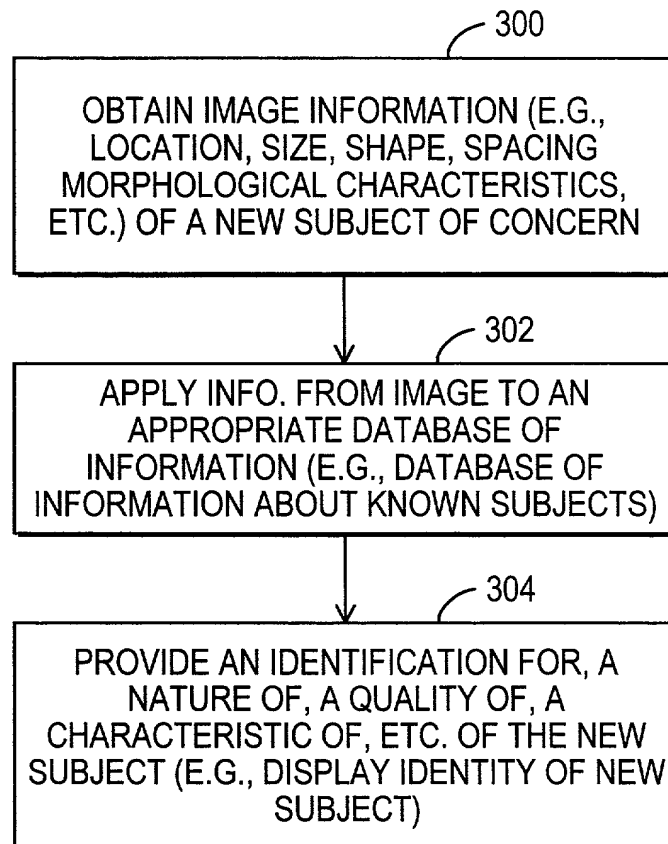


FIG. 28

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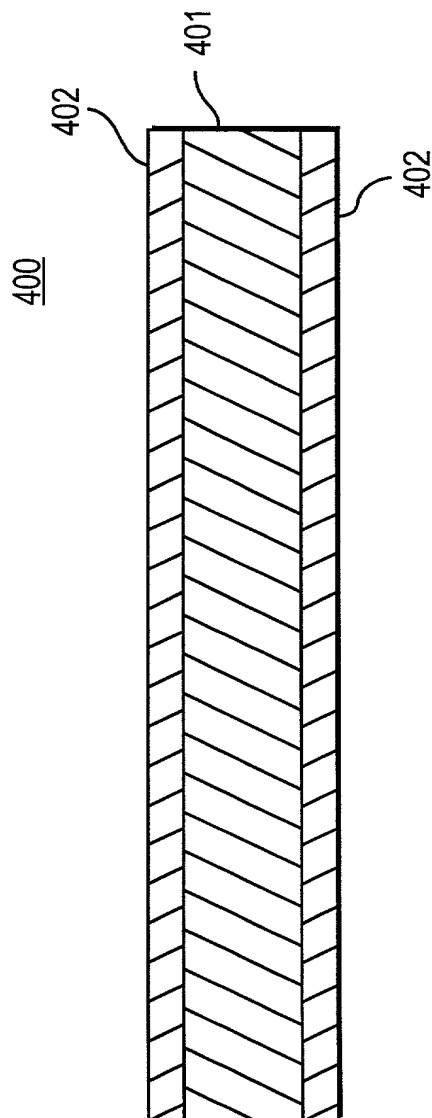


FIG. 29

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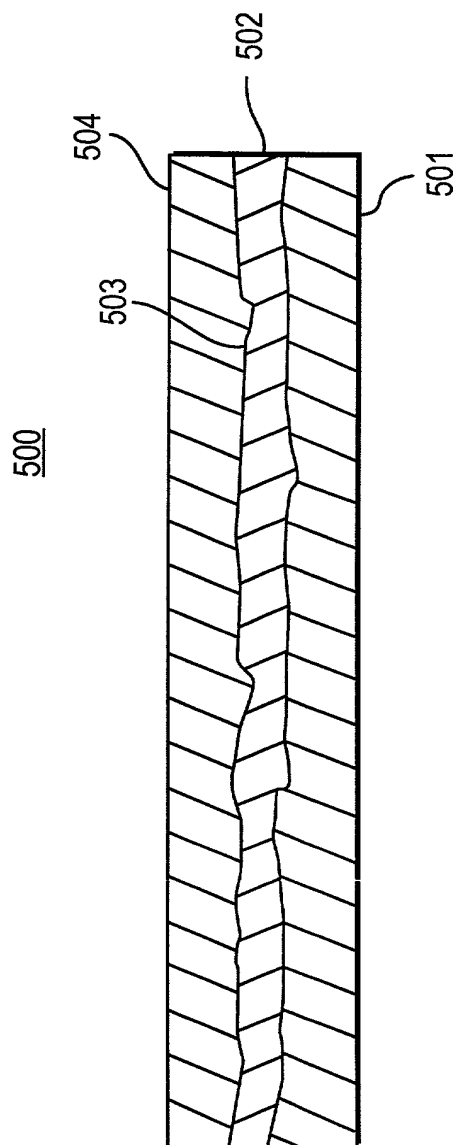


FIG. 30

FIG. 30